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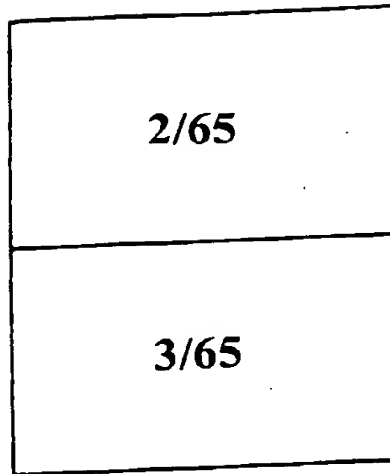


Figure 1

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FIGURE 1

1	ATTCTGGGCG	AGGAGGAGG	AAGAAGCGA	GGAGGGGCT	CCCGCTCGCA
51	GGGCCGTGCA	CCTGCCCGCC	CGCCCGCTCG	CTCGCTCGCC	CGCCCGCGCG
101	CGCTGCCGAC	CGCCAGCATG	CTGCCGAGAG	TGGGCTGCCC	CGCGCTGCCG
151	CTGCCGCCGC	CGCCGCTGCT	GCCGCTGCTG	CCGCTGCTGC	TGCTGCTACT
201	GGCGCGGAGT	GGCGGCGGCG	GCGGGGCGCG	CGCGGAGGTG	CTGTTCCGCT
251	GCCCGCCCTG	CACACCCGAG	CGCCTGGCCG	CCTGCGGGCC	CCCGCCGGTT
301	GCGCCGCCCG	CCGCGGTGGC	CGCAGTGGCC	GGAGGCGCCC	GCA TGCCCATG
351	CGCGGAGCTC	GTCCGGGAGC	CGGGCTGCGG	CTGCTGCTCG	GTGTGCGCCC
401	GGCTGGAGGG	CGAGGCGTGC	GGCGTCTACA	CCCCGCGCTG	CGGCCAGGGG
451	CTGCGCTGCT	ATCCCCACCC	GGGCTCCGAG	CTGCCCTCTG	AGGCGCTGGT
501	CATGGGCGAG	GGCACTTGTG	AGAAGCGCCG	GGACGCCGAG	TATGGCGCCA
551	GCCCGGAGCA	GGTTGCAGAC	AATGGCGATG	ACCACTCAGA	AGGAGGCCTG
601	GTGGAGAACC	ACGTGGACAG	CACCATGAAC	ATGTTGGCGG	GGGAGGCAG
651	TGCTGGCCGG	AAGCCCCCTCA	AGTCGGGTAT	GAAGGAGCTG	GCCGTGTTC
701	GGGAGAAGGT	CACTGAGCAG	CACCGGCAGA	TGGGCAAGGG	TGGCAAGCAT

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FIGURE 1 (continued...)

751 CACCTTGGCC TGGAGGAGCC CAAGAAGCTG CGACCACCCC CTGCCAGGAC
801 TCCCTGCCAA CAGGAACTGG ACCAGGTCCT GGAGCGGATC TCCACCATGC
851 GCCTTCCGGA TGAGCGGGGC CCTCTGGAGC ACCTCTACTC CCTGCACATC
901 CCCAACTGTG ACAAGCATGG CCTGTACAAC CTCAAACAGT GCAAGATGTC
951 TCTGAACGGG CAGCGTGGG AGTGCTGGTG TGTGAACCCC AACACCGGGA
1001 AGCTGATCCA GGGAGCCCC ACCATCCGGG GGGACCCCGA GTGTCACTC
1051 TTCTACAATG AGCAGCAGGA GGCTTGCGGG GTGCACACCC AGCGGATGCA
1101 GTAGACCGCA GCCAGCCGGT GCCTGGCGCC CCTGCCCCCC GCCCCTCTCC
1151 AAACACCGC AGAAACCGA GAGTGCTTGG GTGGTGGGTG CTGGAGGATT
1201 TTCCAGTTCT GACACACGTA TTTATATTG GAAAGAGACC AGCACCGAGC
1251 TCGGCACCTC CCCGGCCTCT CTCCTCCAG CTGCAGATGC CACACCTGCT
1301 CCTTCTTGCT TTCCCCGGG GAGGAAGGG GTTGTGGTCG GGGAGCTGGG
1351 GTACAGGTTT GGGGAGGGG AAGAGAAAT TTTATTTTG AACCCCTGTG
1401 TCCCTTTTGC ATAAGATTAA AGGAAGGAAA AGT

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Figure 2

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FIGURE 2

1 CTCAGCGCCC AGCCGCTTCC TGCCCTGGATT CCACAGCTTC GCGCCGTGTA
51 CTGTCGCCCC ATCCCTGCGC GCCCAGCCTG CCAAGCAGCG TGCCCCGGTT
101 GCAGGCGTCA TGCAGCGGGC GCGACCCACG CTCTGGGCCG CTGCGCTGAC
151 TCTGCTGGTG CTGCTCCGCG GCGCGCCGGT GCGCGGGCT GCGCGAGCT
201 CGGGGGGCTT GGGTCCCGTG GTGCGCTGCG AGCCGTGCGA CGCGCGTGCA
251 CTGGCCCAGT GCGCGCCTCC GCCCGCCGTG TGCGCGGAGC TGGTGCGCGA
301 GCCGGGCTGC GGCTGCTGCC TGACGTGCGC ACTGAGCGAG GGCCAGCCGT
351 GCGGCATCTA CACCGAGCGC TGTGGCTCCG GCCTTCGCTG CCAGCCGTCG
401 CCCGACGAGG CGCGACCGCT GCAGGCGCTG CTGGACGGCC GCGGGCTCTG
451 CGTCAACGCT AGTGCCGTCA GCCGCCCTGG CGCCTACCTG CTGCCAGCGC
501 CGCCAGCTCC AGGAAATGCT AGTGAGTCGG AGGAAGACCG CAGCGCCGGC
551 AGTGTGGAGA GCCCGTCCGT CTCCAGCACG CACCGGGTGT CTGATCCCAA
601 GTTCCACCCC CTCCATTCAA AGATAATCAT CATCAAGAAA GGGCATGCTA
651 AAGACAGCCA GCGCTACAAA GTTGACTACG AGTCTCAGAG CACAGATACC
701 CAGAACTTCT CCTCCGAGTC CAAGCGGGAG ACAGAAATAG GTCCCTGCCG

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FIGURE 2 (Continued...)

751 TAGAGAAATG GAAGACACAC TGAATCACCT GAAGTTCCTC AATGTGCTGA
801 GTCCCAGGGG TGTACACATT CCAACTGTG ACAAGAAGGG ATTTATAAG
851 AAAAAGCAGT GTCGCCCTTC CAAAGGCAGG AAGCGGGGCT TCTGCTGGTG
901 TGTGGATAAG TATGGGCAGC CTCTCCCAGG CTACACCACC AAGGGGAAGG
951 AGGACGTGCA CTGCTACAGC ATGCAGAGCA AGTAGACGCC TGCCGCAAGT
1001 TAATGTGGAG CTCAAATATG CCTTATTTTG CACAAAAGAC TGCCAAGGAC
1051 ATGACCAGCA GCTGGCTACA GCCTCGATT TATTTCTGT TTGTGGTGAA
1101 CTGATTTTTT TTAACCCAAA GTTTAGAAAG AGGTTTTTGA AATGCCCTATG
1151 GTTTCCTTGA ATGGTAAACT TGAGCATCTT TTCACTTTCC AGTAGTCAGC
1201 AAAGAGCAGT TTGAATTTTC TTGTCGCTTC CTATCAAAAT ATTCAGAGAC
1251 TCGAGCACAG CACCAGACT TCATGCGCCC GTGGAATGCT CACCACATGT
1301 TGGTCGAAGC GGCCGACCAC TGACTTTGTG ACTTAGGCGG CTGTGTGCGC
1351 TATGTAGAGA ACACGCTTCA CCCCACCTCC CCGTACAGTG CGCACAGGCT
1401 TTATCGAGAA TAGGAAAACC TTAAACCCC GGTCATCCGG ACATCCCAAC
1451 GCATGCTCCT GGAGCTCACA GCCTTCTGTG GTGTCAATTC TGAACAACAGG

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FIGURE 2 (Continued...)

1501 GCGTGGATCC CTCAACCAAG AAGAATGTTT ATGTCTTCAA GTGACCTGTA
 1551 CTGCTTGGGG ACTATTGGAG AAAATAAGGT GGAGTCCTAC TTGTTTAAAA
 1601 AATATGTATC TAAGAATGTT CTAGGGCACT CTGGGAACCT ATAAAGGCAG
 1651 GTATTTCGGG CCTCCTCTT CAGGAATCTT CCTGAAGACA TGGCCCAGTC
 1701 GAAGGCCCCAG GATGGCTTTT GCTGCGGCCC CGTGGGGTAG GAGGGACAGA
 1751 GAGACGGGAG AGTCAGCCTC CACATTCAGA GGCATCACAA GTAATGGCAC
 1801 AATTCTTCGG ATGACTGCAG AAAATAGTGT TTTGTAGTTC AACAACTCAA
 1851 GACGAAGCTT ATTTCTGAGG ATAAGCTCTT TAAAGGCCAA GCTTTATTTT
 1901 CATCTCTCAT CTTTGTCTCT CCTTAGCACA ATGTAAAAAA GAATAGTAAT
 1951 ATCAGAACAG GAAGGAGGAA TGGCTTGCTG GGGAGCCCAT CCAGGACACT
 2001 GGGAGCACAT AGAGATTAC CCATGTTTGT TGAACCTAGA GTCATTCTCA
 2051 TGCTTTTCTT TATAATTAC ACATATATGC AGAGAAGATA TGTTCCTGTT
 2101 AACATTGTAT ACAACATAGC CCCAAATATA GTAAGATCTA TACTAGATAA
 2151 TCCTAGATGA AATGTTAGAG ATGCTATATG ATACAACTGT GGCCATGACT
 2201 GAGGAAAGGA GCTCAGCCCC AGAGACTGGG CTGCTCTCCC GGAGGCCAAA

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

2251 CCCAAGAAGG TCTGGCAAAG TCAGGCTCAG GGAGACTCTG CCCTGCTGCA
2301 GACCTCGGTG TGGACACACG CTGCATAGAG CTCTCCTTGA AAACAGAGGG
2351 GTCTCAAGAC ATTCTGCCTA CCTATTAGCT TTTCTTTTAT TTTTAACTT
2401 TTTGGGGGGA AAAGTATTTT TGAGAAAGTTT GTCTTGCAAT GTATTATATA
2451 ATAGTAAATA AAGTTTTTAC CATT

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Figure 3

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FIGURE 3

1 TTTT TTTT TTTTGAGAAA GGGAATTTC TCCAAATAA AAGGAATGAA
51 GTCTGGCTCC GGAGGAGGGT CCCGACCTC GCTGTGGGG CTCCTGTTC
101 TCTCCGCCGC GCTCTCGCTC TGGCCGACGA GTGGAGAAAT CTGCCGGCCA
151 GGCATCGACA TCCGCAACGA CTATCAGCAG CTGAAGCGCC TGGAGAACTG
201 CACGGTGATC GAGGGCTACC TCCACATCCT GCTCATCTCC AAGGCCGAGG
251 ACTACCGCAG CTACCGCTTC CCCAAGCTCA CGGTCATTAC CGAGTACTTG
301 CTGCTGTTC GAGTGGCTGG CCTCGAGAGC CTCGGAGACC TCTTCCCCAA
351 CCTCACGGTC ATCCGCGGCT GGAAACTCTT CTACAACTAC GCCCTGGTCA
401 TCTTCGAGAT GACCAATCTC AAGGATATTG GGCTTTACAA CCTGAGGAAC
451 ATTACTCGGG GGGCCATCAG GATTGAGAAA AATGCTGACC TCTGTTACCT
501 CTCCACTGTG GACTGGTCCC TGATCCTGGA TCGCGTGTCC AATAACTACA
551 TTGTGGGAA TAAGCCCCCA AAGGAATGTG GGGACCTGTG TCCAGGGACC
601 ATGGAGGAGA AGCCGATGTG TGAGAAGACC ACCATCAACA ATGAGTACAA
651 CTACCGCTGC TGGACCACAA ACCGCTGCCA GAAAATGTGC CCAAGCACGT
701 GTGGGAAGCG GCGTGCACC GAGAACATG AGTGCTGCCA CCCCAGTGTC

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FIGURE 3 (Continued...)

751 CTGGGCAGCT GCAGCGCGCC TGACAACGAC ACGGCCTGTG TAGCTTGCCG
801 CCACTACTAC TATGCCGGTG TCTGTGTGCC TGCCTGCCCG CCCAACACCT
851 ACAGGTTTGA GGGCTGGCGC TGTGTGGACC GTGACTTCTG CGCCAACATC
901 CTCAGCGCCG AGAGCAGCGA CTCCGAGGGG TTTGTGATCC ACGACGGCGA
951 GTGCATGCAG GAGTGCCCTT CCGGCTTCAT CCGCAACGGC AGCCAGAGCA
1001 TGTACTGCAT CCTTGTGAA GGTCCTTGCC CGAAGGTCTG TGAGGAAGAA
1051 AAGAAAACAA AGACCATTGA TTCTGTTACT TCTGCTCAGA TGCTCCAAGG
1101 ATGCACCATC TTCAAGGGCA ATTTGCTCAT TAACATCCGA CGGGGGAATA
1151 ACATTGCTTC AGAGCTGGAG AACTTCATGG GGCTCATCGA GGTGGTGACG
1201 GGCTACGTGA AGATCCGCCA TTCTCATGCC TTGGTCTCCT TGTCTTCTCT
1251 AAAAAACCTT CGCCTCATCC TAGGAGAGGA GCAGCTAGAA GGAATTACT
1301 CCTTCTACGT CCTCGACAAC CAGAACTTGC AGCAACTGTG GGACTGGGAC
1351 CACCGCAACC TGACCATCAA AGCAGGGAAA ATGTACTTTG CTTTCAATCC
1401 CAAATTATGT GTTTCGGAAA TTTACCGCAT GGAGGAAGTG ACGGGGACTA
1451 AAGGGCGCCA AAGCAAAGGG GACATAAACA CCAGGAACAA CGGGGAGAGA

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FIGURE 3 (Continued...)

1501 GCCTCCTGTG AAAGTGACGT CCTGCATTTC ACCTCCACCA CCACGTCGAA
 1551 GAATCGCATC ATCATAACCT GGCACCGGTA CCGGCCCCCT GACTACAGGG
 1601 ATCTCATCAG CTTCAACCGTT TACTACAAGG AAGCACCCCTT TAAGAATGTC
 1651 ACAGAGTATG ATGGGCAGGA TGCCTGCGGC TCCAACAGCT GGAACATGGT
 1701 GGACGTGGAC CTCCCGCCCA ACAAGGACGT GGAGCCCGGC ATCTTACTAC
 1751 ATGGGCTGAA GCCCTGGACT CAGTACGCCG TTTACGTCAA GGCTGTGACC
 1801 CTCACCATGG TGGAGAACGA CCATATCCGT GGGGCCAAGA GTGAGATCTT
 1851 GTACATTTCG ACCAATGCTT CAGTTCCTTC CATTCCCTTG GACGTTCTTT
 1901 CAGCATCGAA CTCCTCTTCT CAGTTAATCG TGAAGTGGAA CCTCCCTCT
 1951 CTGCCCCAACG GCAACCTGAG TTAATAATT GTGCGCTGGC AGCGGCAGCC
 2001 TCAGGACGGC TACCTTTACC GGCACAATTA CTGCTCCAAA GACAAAATCC
 2051 CCATCAGGAA GTATGCCGAC GGCACCATCG ACATTGAGGA GGTCACAGAG
 2101 AACCCCAAGA CTGAGGTGTG TGGTGGGAG AAAGGCCCTT GCTGCGCCTG
 2151 CCCCAAAACCT GAAGCCGAGA AGCAGGCCGA GAAGGAGGAG GCTGAATACC
 2201 GCAAGTCTT TGAGAATTTC CTGCACAACCT CCATCTTCGT GCCCAGACCT

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FIGURE 3 (Continued...)

3001 GTGTACGTTT CTGATGAGTG GGAGTGGCT CGGAGAAGA TCACCATGAG
3051 CCGGGAACCT GGCAGGGGT CGTTTGGAT GGTCTATGAA GGAGTTGCCA
3101 AGGGTGTGGT GAAAGATGAA CCTGAAACCA GAGTGGCCAT TAAACAGTG
3151 AACGAGGCCG CAAGCATGCG TGAGAGGATT GAGTTTCTCA ACGAAGCTTC
3201 TGTGATGAAG GAGTTCAATT GTCACCATGT GGTGCGATTG CTGGGTGTGG
3251 TGTCCCAAGG CCAGCCAACA CTGGTCATCA TGGAACTGAT GACACGGGGC
3301 GATCTCAAAA GTTATCTCCG GTCTCTGAGG CCAGAAATGG AGAATAATCC
3351 AGTCCTAGCA CCTCCAAGCC TGAGCAAGAT GATTACAGATG GCCGGAGAGA
3401 TTGCAGACGG CATGGCATACT CTCAACGCCA ATAACTTCGT CCACAGAGAC
3451 CTTGCTGCCC GGAATTGCAT GGAGCCGAA GATTTCACAG TCAAAATCGG
3501 AGATTTTGGT ATGACGCGAG ATATCTATGA GACAGACTAT TACCGGAAAG
3551 GAGGCAAGG GCTGCTGCCC GTGCGCTGGA TGCTCTCTGA GTCCCTCAAG
3601 GATGGAGTCT TCACCACTTA CTCGGACGTC TGGTCTCTCG GGTCTGTCTT
3651 CTGGGAGATC GCCACACTGG CCGAGCAGCC CTACCAGGGC TTGTCCAACG
3701 AGCAAGTCTT TCGCTTCGTC ATGGAGGGCG GCCTTCTGGA CAAGCCAGAC

FIGURE 3 (Continued...)

3751 AACTGTCCTG ACATGCTGTT TGAAGTATG CGCATGTGCT GGCAGTATAA
3801 CCCCAAGATG AGGCCTTCCT TCCTGGAGAT CATCAGCAGC ATCAAAGAGG
3851 AGATGGAGCC TGGCTTCCGG GAGTCTCCT TCTACTACAG CGAGGAGAAC
3901 AAGCTGCCCG AGCCGGAGGA GCTGGACCTG GAGCCAGAGA ACATGGAGAG
3951 CGTCCCCCTG GACCCCTCGG CCTCCTCGTC CTCCCCTGCC CTGCCCCGACA
4001 GACACTCAGG ACACAAGGCC GAGAACGGCC CCGGCCCTGG GGTGCTGGTC
4051 CTCGCGGCCA GCTTCGACGA GAGACAGCCT TACGCCCAACA TGAACGGGGG
4101 CCGCAAGAAC GAGCGGCCT TGCCGCTGCC CCAGTCTTCG ACCTGCTGAT
4151 CCTTGGATCC TGAATCTGTG CAAACAGTAA CGTGTGCGCA CGCGCAGCGG
4201 GGTGGGGGGG GAGAGAGAGT TTAAACAATC CATTACACAAG CCTCCTGTAC
4251 CTCAGTGGAT CTTCAGTTCT GCCCTTGCTG CCGCGGGGAG ACAGCTTCTC
4301 TGCAGTAAAA CACATTGGG ATGTTCCCTT TTCAATATG CAAGCAGCTT
4351 TTTATTCCCT GCCCAAACCC TTAAGTACA TGGGCCCTTA AGAACCCTTA
4401 TGACAACACT TAATAGCAAC AGAGCACTTG AGAACCAGTC TCCTCACTCT
4451 GTCCCTGTCC TTCCCTGTTC TCCCTTTCTC TCTCCTCTCT GCTTCATAAC

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FIGURE 3 (Continued...)

4501 GGAAAAATAA TTGCCACAAG TCCAGCTGGG AAGCCCTTTT TATCAGTTTG
4551 AGGAAGTGGC TGTCCCTGTG GCCCATCCA ACCACTGTAC ACACCCGCCT
4601 GACACCGTGG GTCATTACAA AAAAACACGT GGAGATGGAA ATTTTACCT
4651 TTATCTTTCA CCTTTCTAGG GACATGAAAT TTACAAAGGG CCATCGTTCA
4701 TCCAAGGCTG TTACCATTTT AACGCTGCCT AATTTGCCA AAATCCTGAA
4751 CTTTCTCCCT CATCGGCCCG GCGCTGATTC CTCGTGTCCG GAGGCATGGG
4801 TGAGCATGGC AGCTGGTTGC TCCATTGAG AGACACGCTG GCGACACACT
4851 CCGTCCATCC GACTGCCCCCT GCTGTGCTGC TCAAGGCCAC AGGCACACAG
4901 GTCTCATTGC TTCTGACTAG ATTATTATT GGGGGAAC TG GACACAATAG
4951 GTCTTTCTCT CAGTGAAGGT GGGGAGAAGC TGAACCGGC

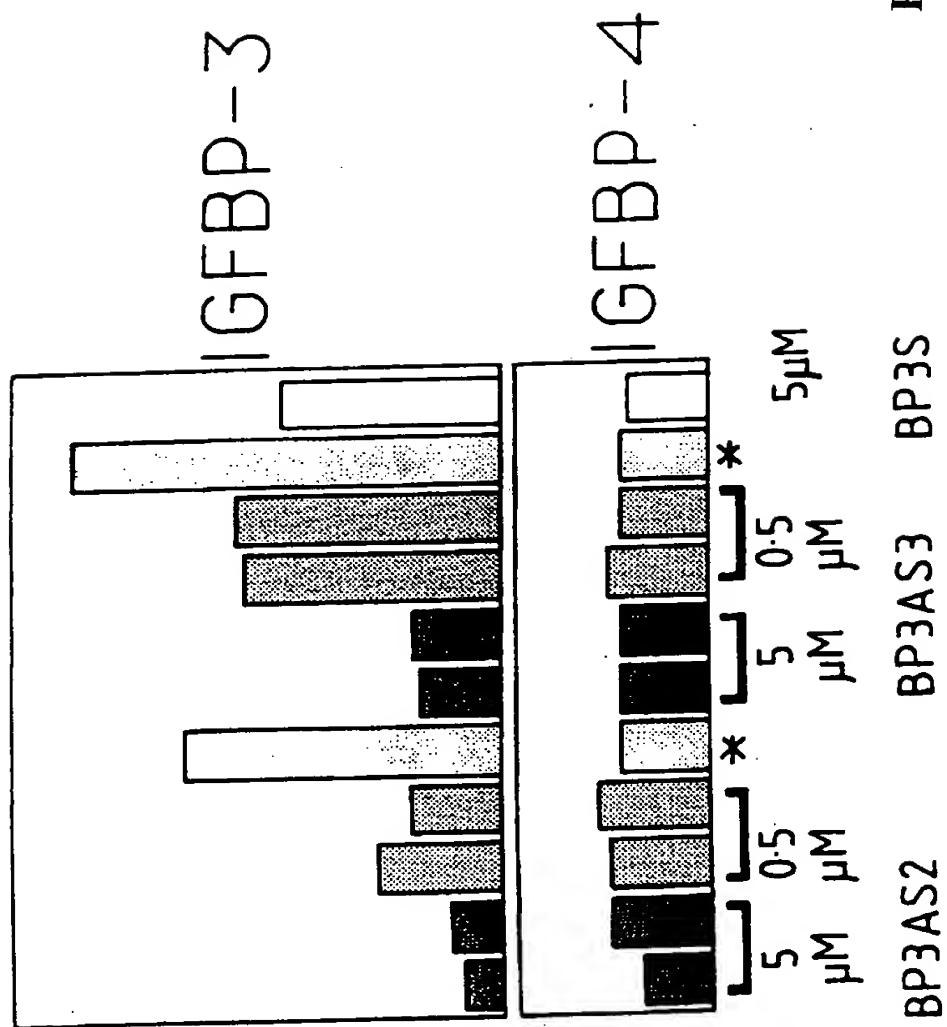
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* no oligo

Figure 4a

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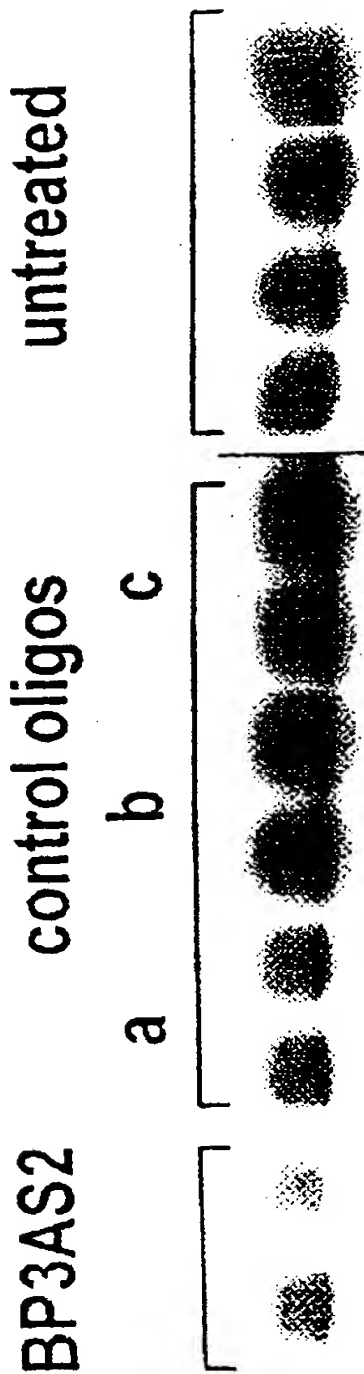


Figure 5a

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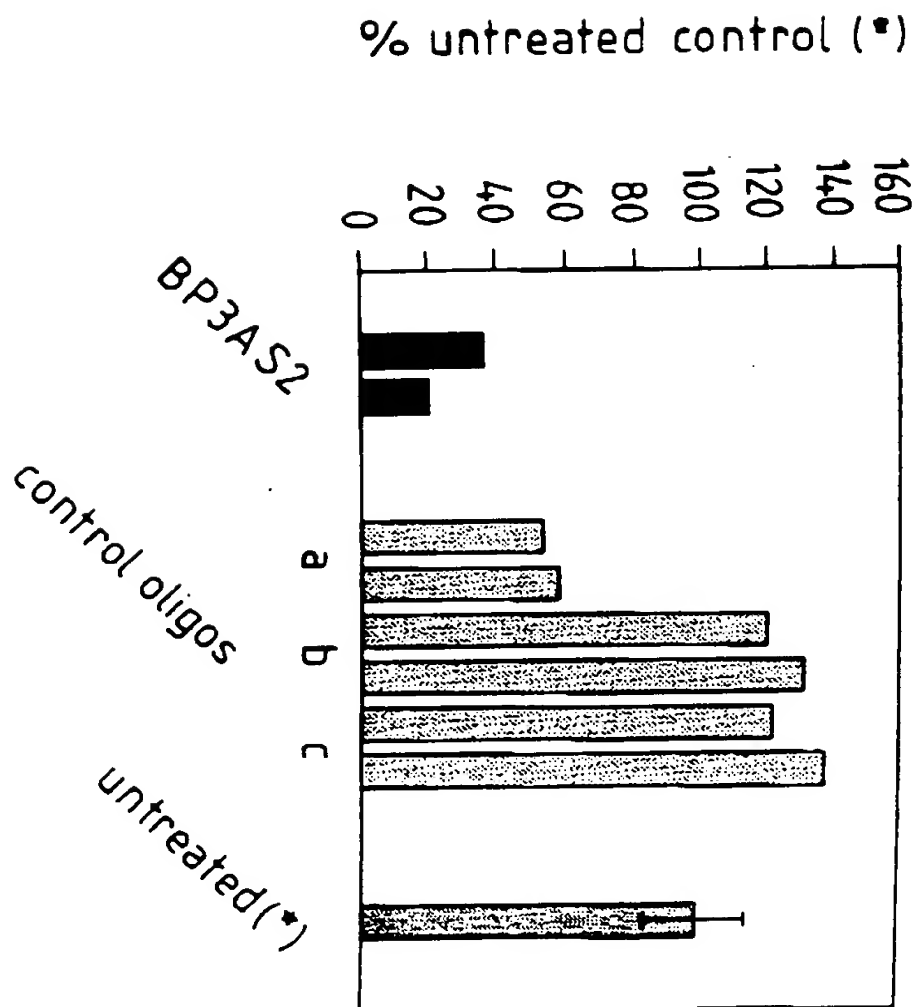
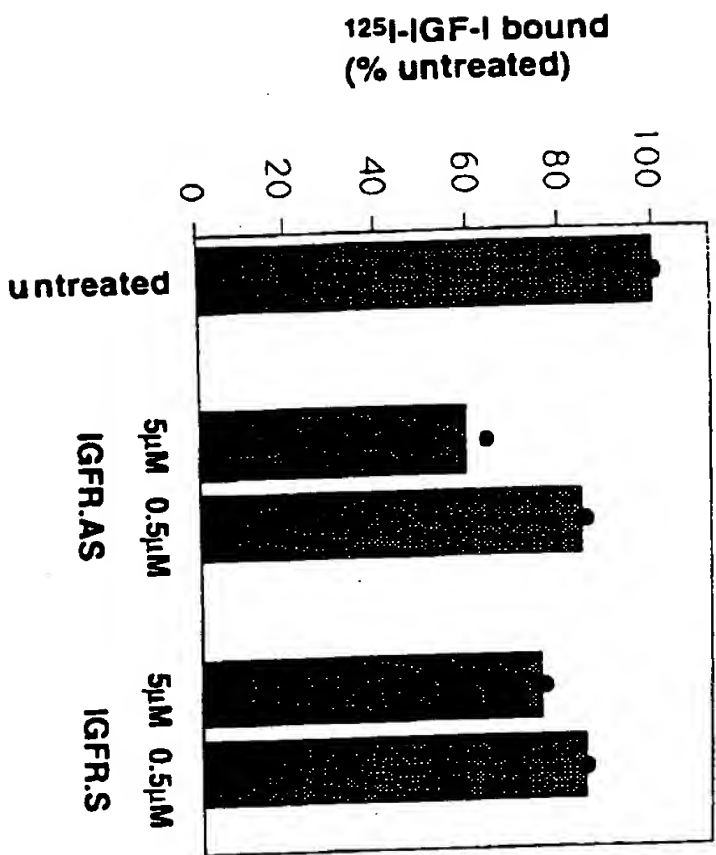


FIG 5B

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FIGURE 6 Inhibition of IGF-I binding
by antisense oligonucleotides to IGF-I receptor



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Initial treatment with AS oligos (once daily over 2 days)

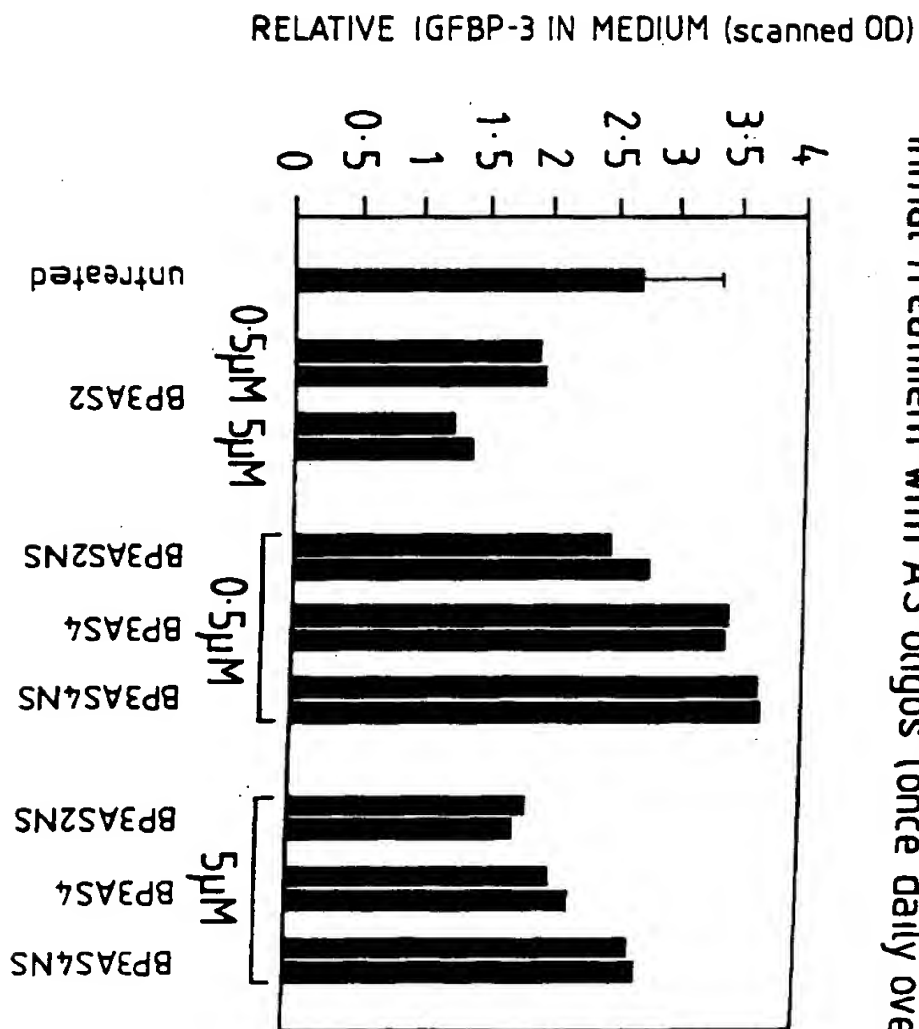


Figure 7

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Optimization of IGFBP-3 AS oligo concentration

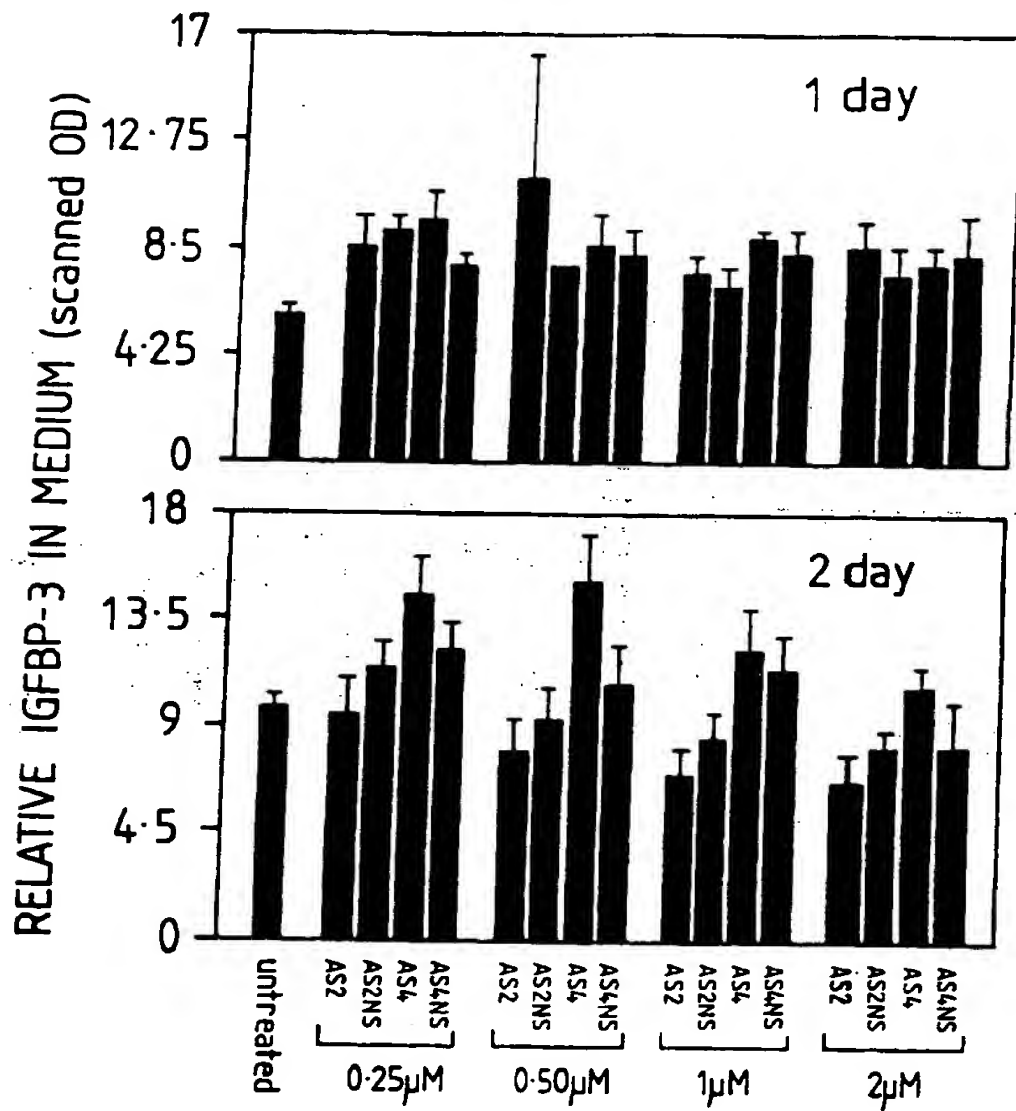
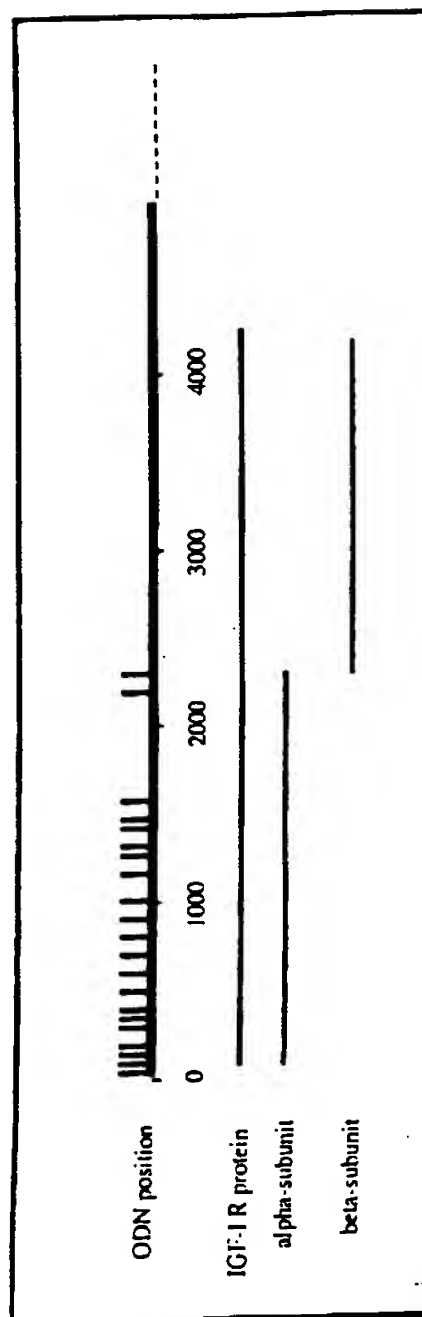


Figure 8

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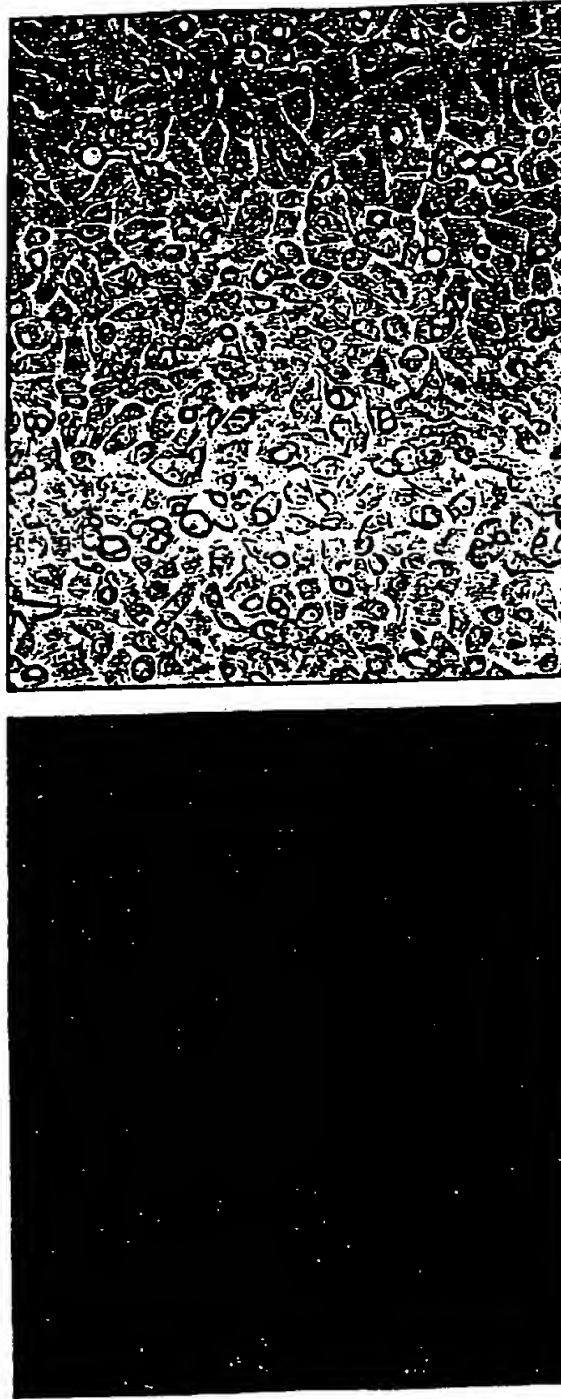
**Figure 9 Map of IGF-1 Receptor mRNA
and position of target ODNs**



- Position of the 21 tested ODNs (|)
- mRNA transcript lengths = 7Kb and 11Kb
- coding sequence 46-4149

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Figure 10 Lipid-mediated uptake of oligonucleotide in keratinocytes



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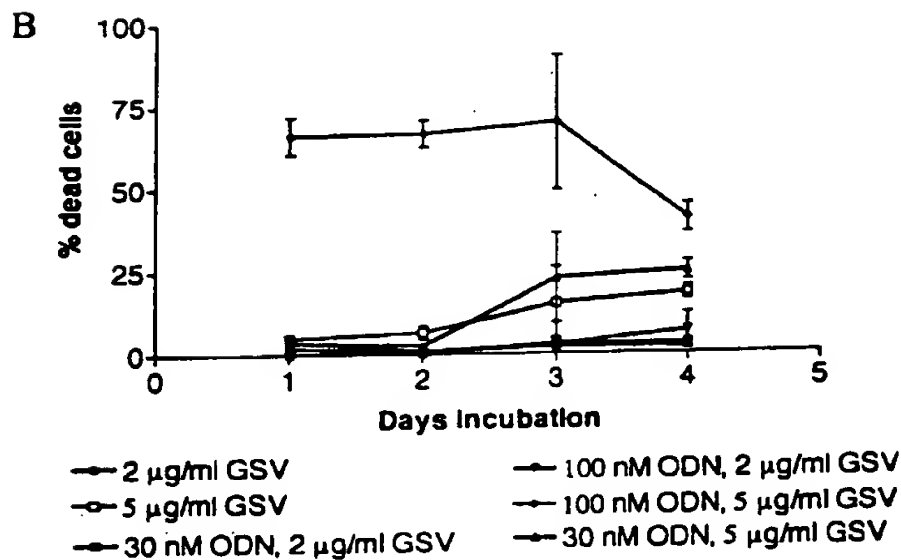
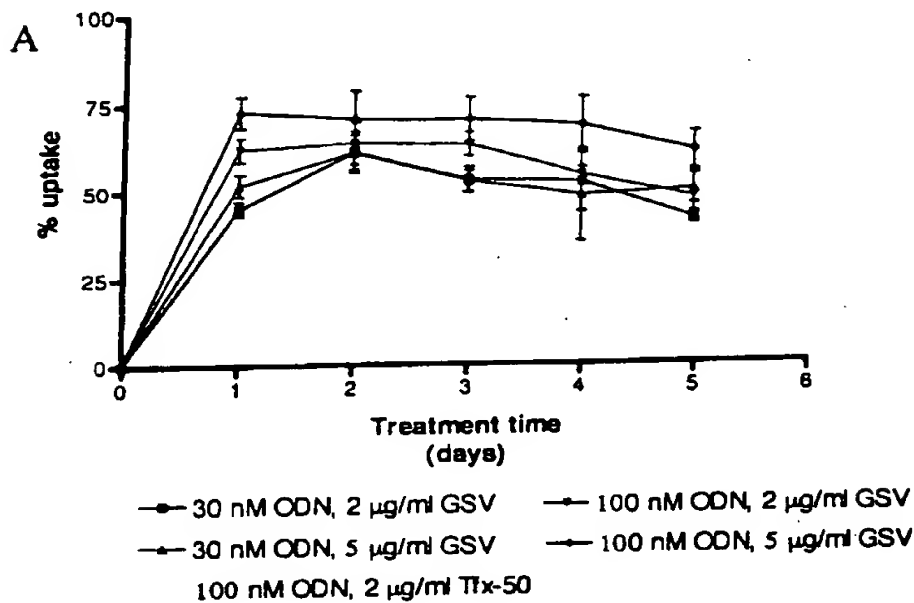
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A

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Figure 11 Uptake (A) and toxicity (B) of ODN/ lipid complexes in keratinocytes



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Figure 12 IGF-I Receptor mRNA in ODN treated (30nM) HaCaT cells (2 μ g/ml GSV)

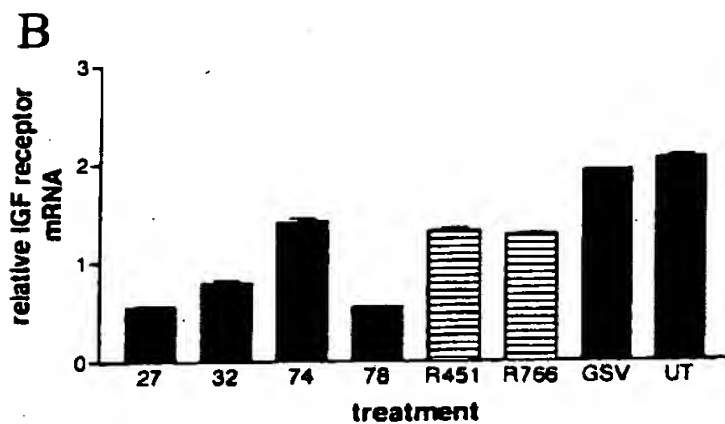
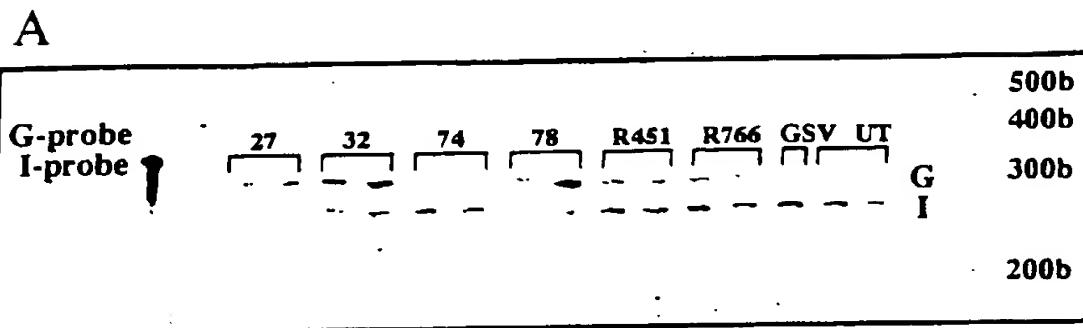
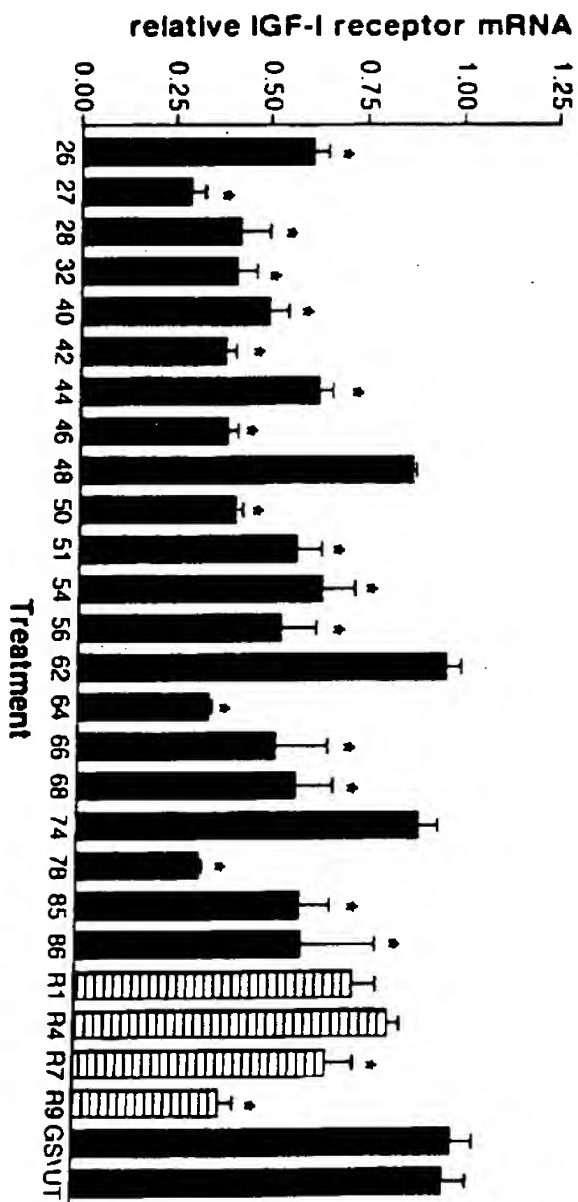


Figure 13 IGF-I receptor mRNA in ODN treated (30nM) HaCaT cells (2 μ g/ml GSV)



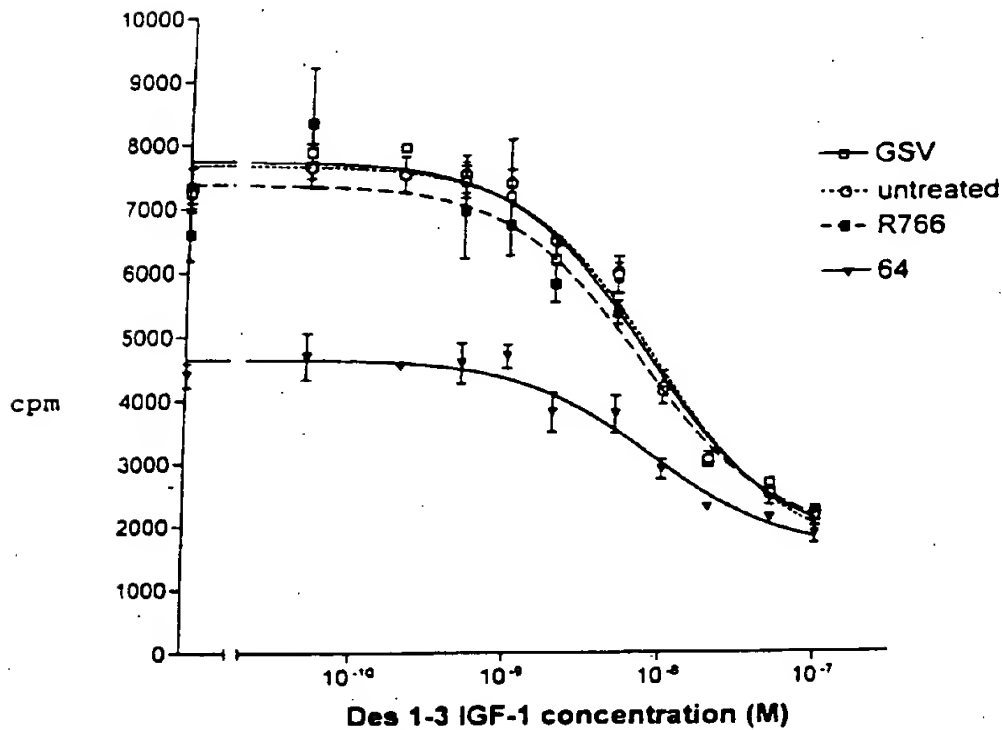
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Figure 14

Effect of antisense oligonucleotides on IGF-1
receptor levels on the surface of keratinocytes:

Competition Assay - 125 I IGF-1 vs Des 1-3 IGF-1

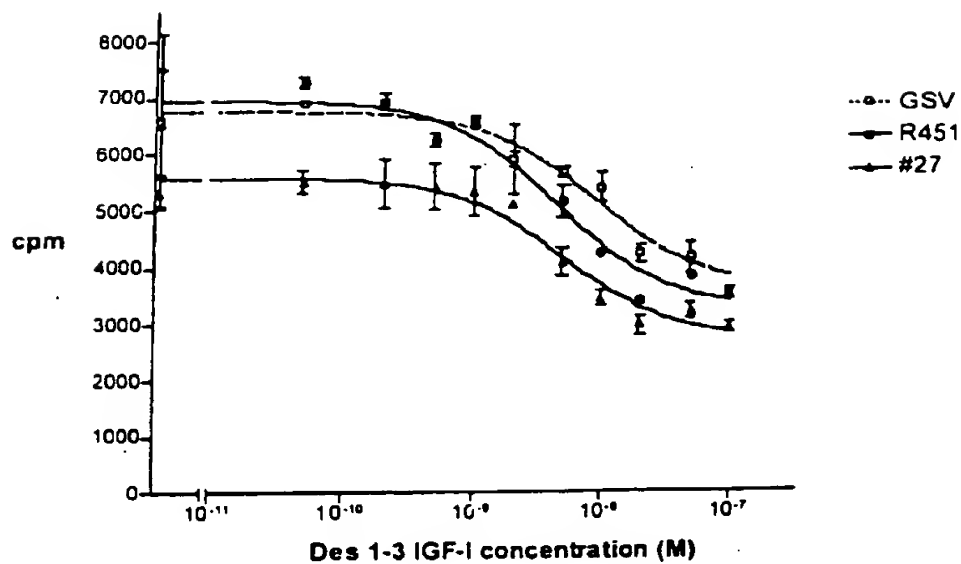


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Figure 15

**Effect of antisense oligonucleotides on
IGF-1 receptor levels on the surface of
keratinocytes:**

Competition Assay - 125 I IGF-I vs Des 1-3 IGF-I



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Figure 16 H&E stained sections of (A) psoriatic skin biopsy prior to grafting and (B) 49 day old psoriatic skin graft using skin from the same donor



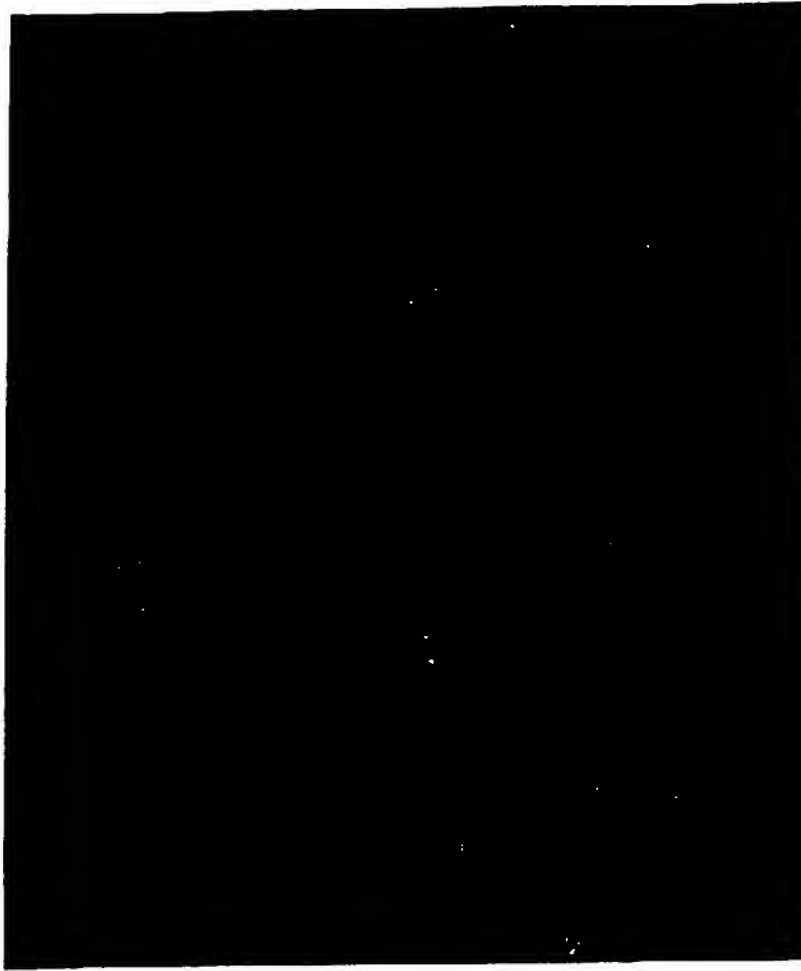
A)



B)

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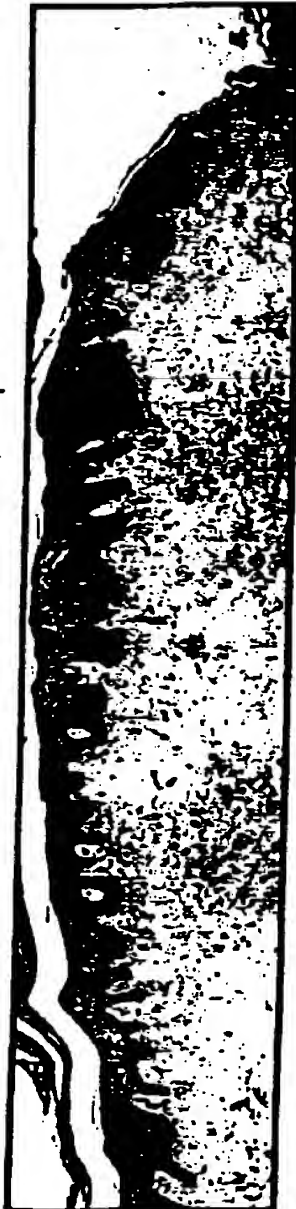
Figure 17 Uptake of oligonucleotide after intradermal injection
into psoriatic skin graft on a nude mouse



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Figure 18a

Pregraft, Donor JH

Donor JH, PBS treated, 50 μ lDonor JH, #50 treated, 50 μ l, 10 μ M

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Figure 18b

Donor LB, pregraft



Donor LB, PBS treated (50 μ l)



Donor LB, #74 treated (50 μ l, 10 μ M)

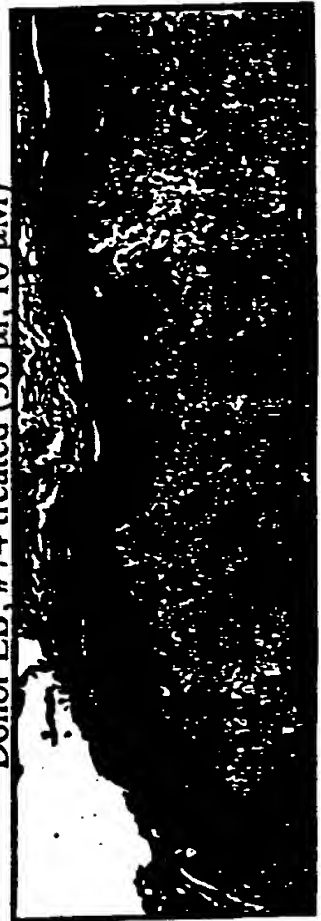


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Figure 18c

Donor PW, pregraft

Donor PW, R451 treated (50 μ l, 10 μ M)Donor LB, #74 treated (50 μ l, 10 μ M)

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Figure 18d

Donor GM, pregraft



Donor GM, R451 treated (50 μ l, 10 μ M)



Donor GM, #27 treated (50 μ l, 10 μ M)



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Figure 19a**Donor JH
Pregraft****Donor JH
PBS treated
50 ul****Donor JH
50 treated
50 ul, 10 uM**

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Figure 19b

Donor LB
Pregraft



Donor LB
PBS treated
50 ul



Donor LB
74 treated
50 ul, 10 uM

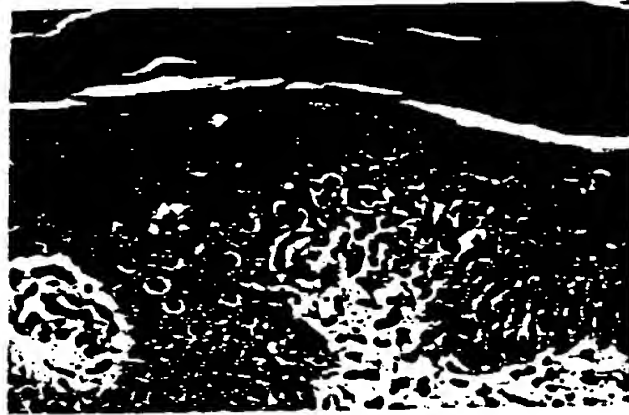


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Figure 19c

Donor PW
Pregraft



Donor PW
R451 treated
50 ul, 10 uM



Donor PW
#74 treated
50 ul, 10 uM



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Figure 19d

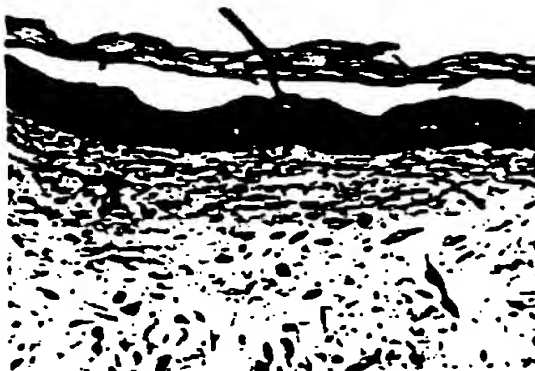
**Donor GM
Pregraft**



**Donor GM
R451 treated
50 ul, 10 uM**

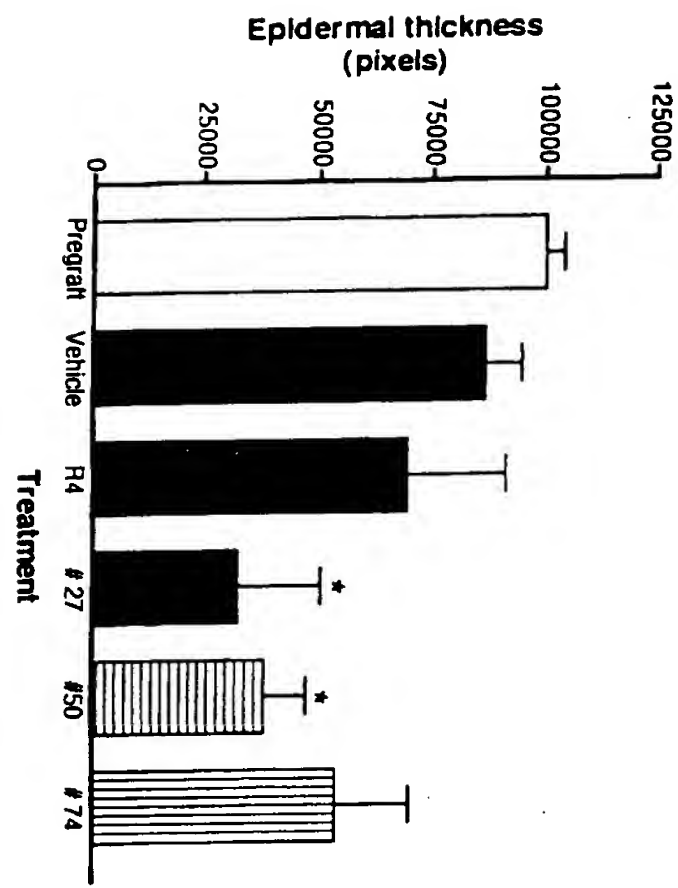


**Donor GM
27 treated
50 ul, 10 uM**



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Figure 20
Suppression of psoriasis after
treatment with oligonucleotide (quantification)



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Figure 21

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 α hKi-67

Pregraft
GM

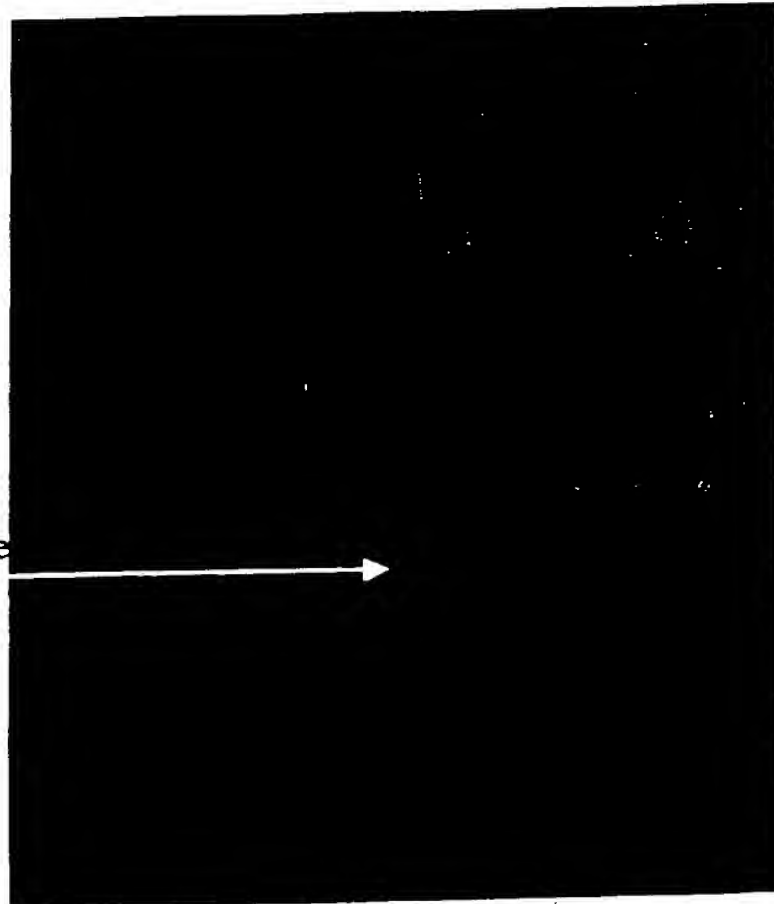
Oligo 27

Oligo R451

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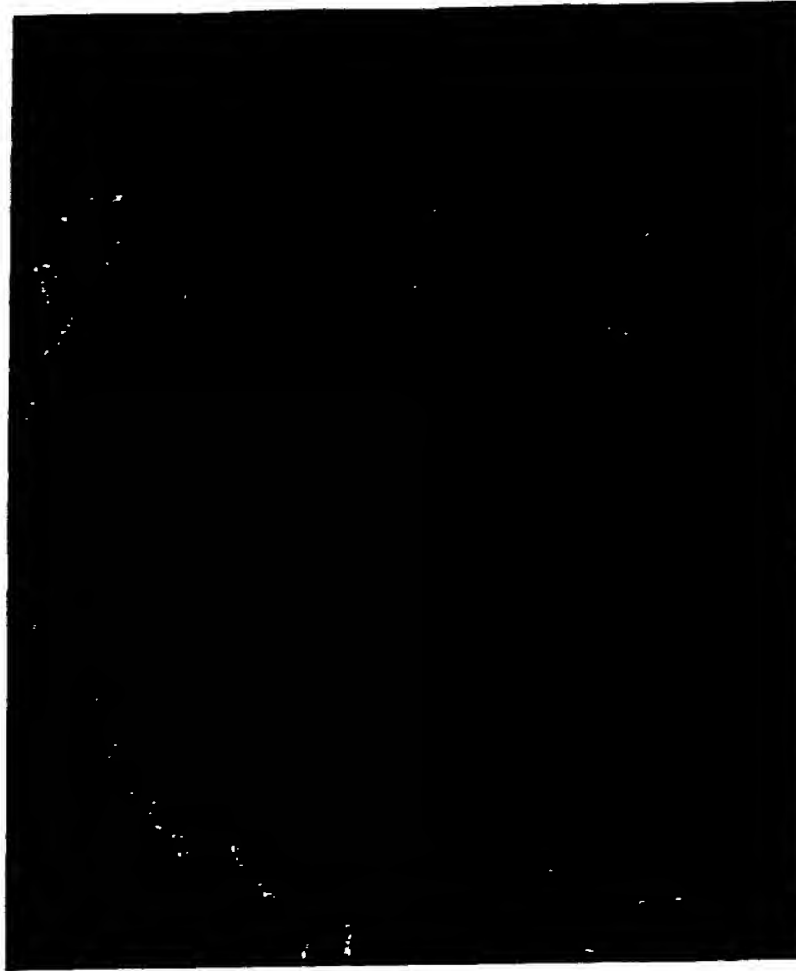
Figure 22 Penetration of oligonucleotide into human skin after topical treatment

oligonucleotide
inside
target cell



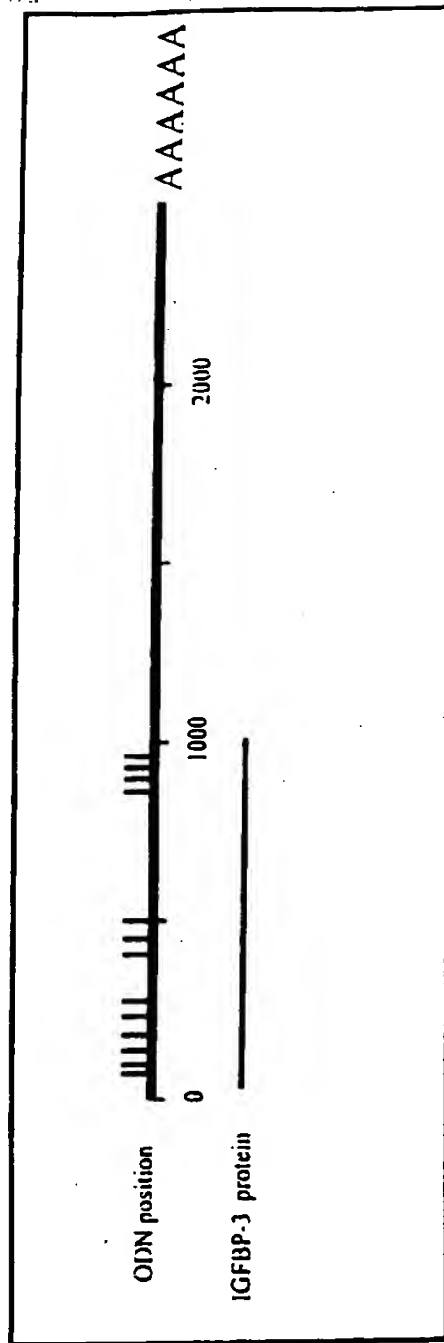
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Figure 23 Penetration of oligonucleotide into human skin after application of topical gel formulation



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IGFBP-3 mRNA

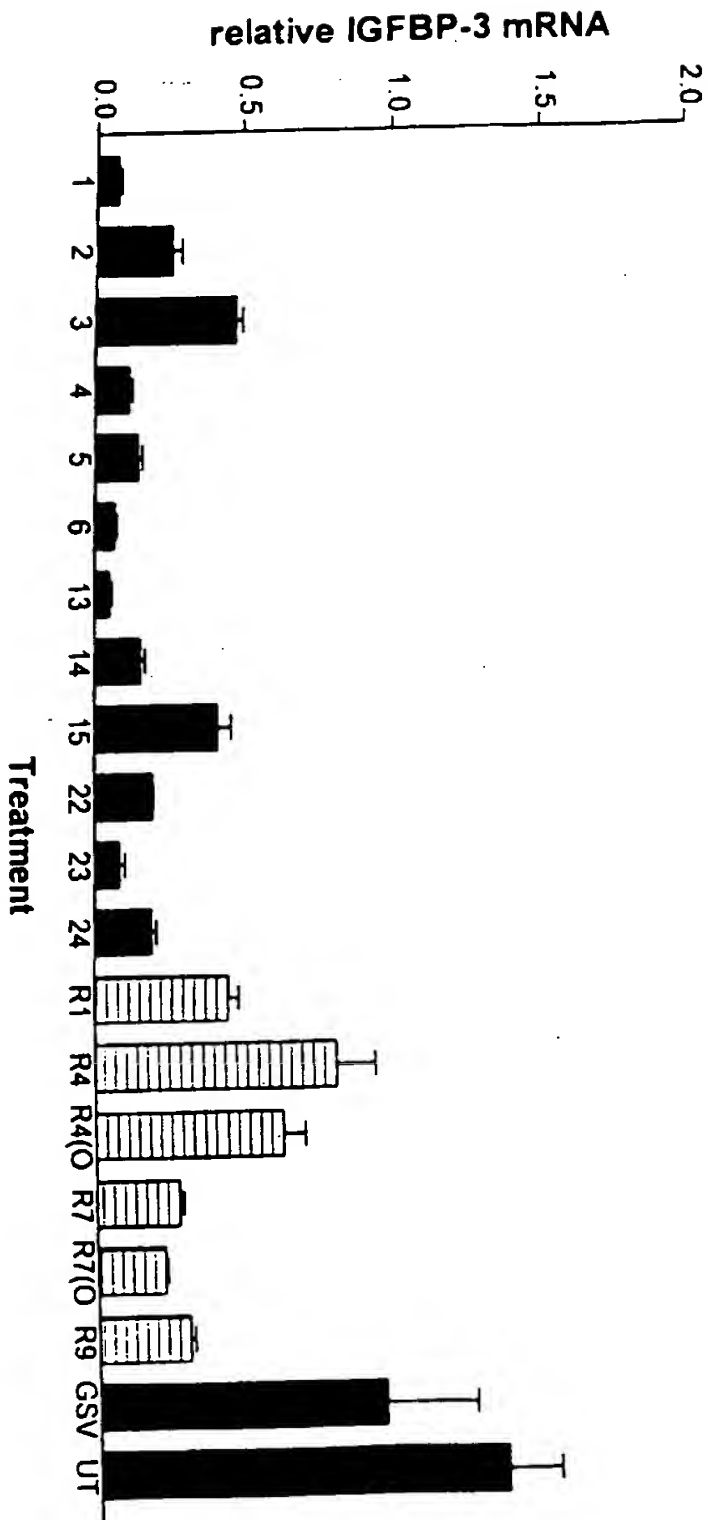


- Position of the 13 tested ODNs (I)
- mRNA transcript length = 2.5Kb
- coding sequence 133-1009

Figure 24

Figure 25a

IGFBP-3 mRNA in AON treated (100nM) HaCaT cells (2ug/ml GSV)



11 IN 21 2000 03:34

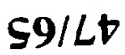
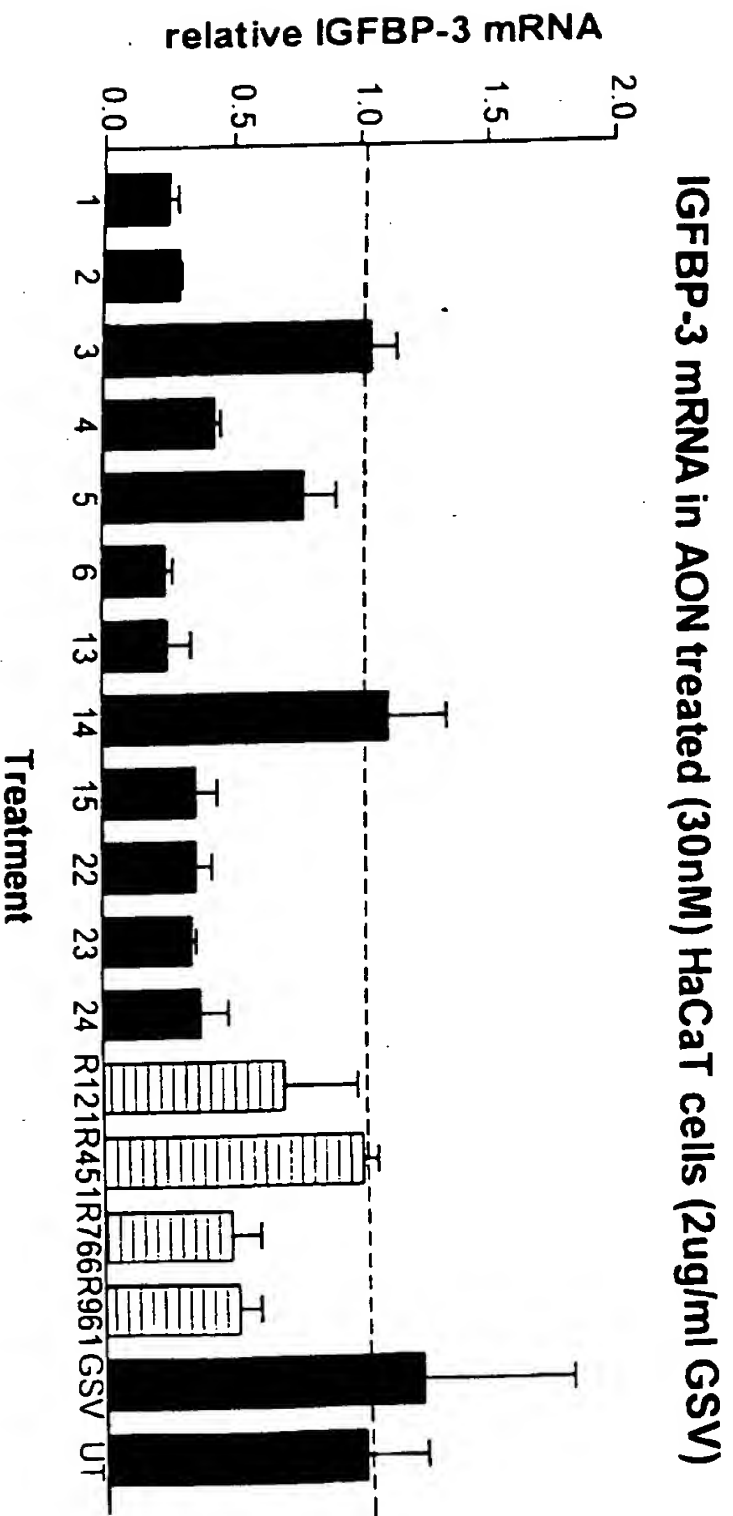


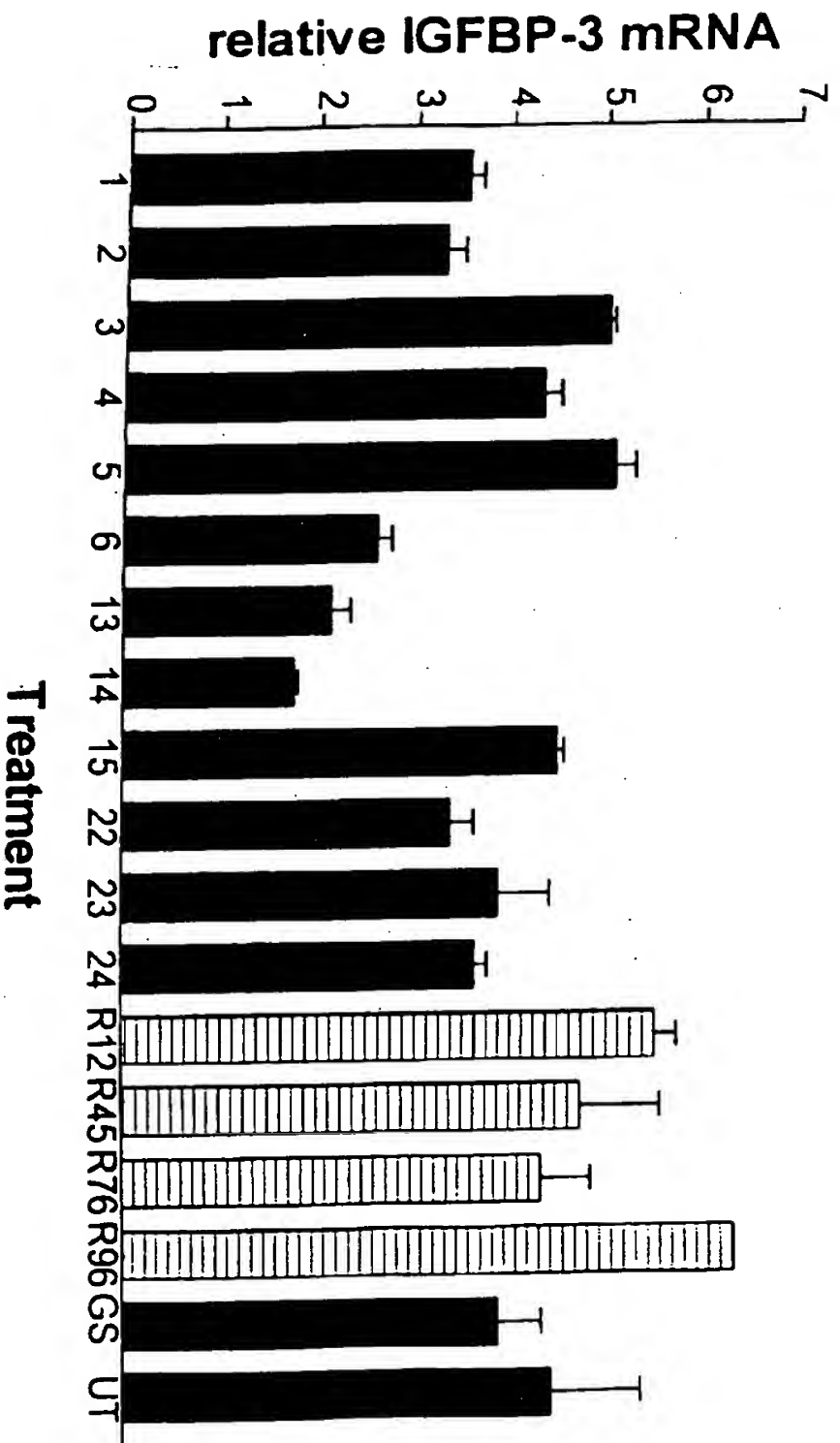
Figure 25c



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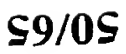
Figure 25d

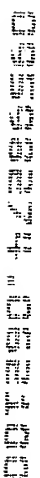
IGFBP-3 mRNA in AON treated (30nM) HaCat
cells (2µg/ml GSV)



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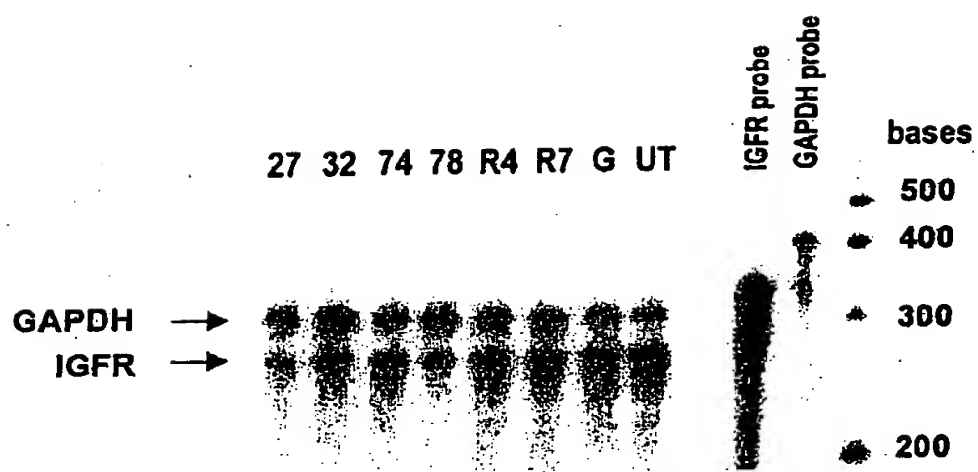
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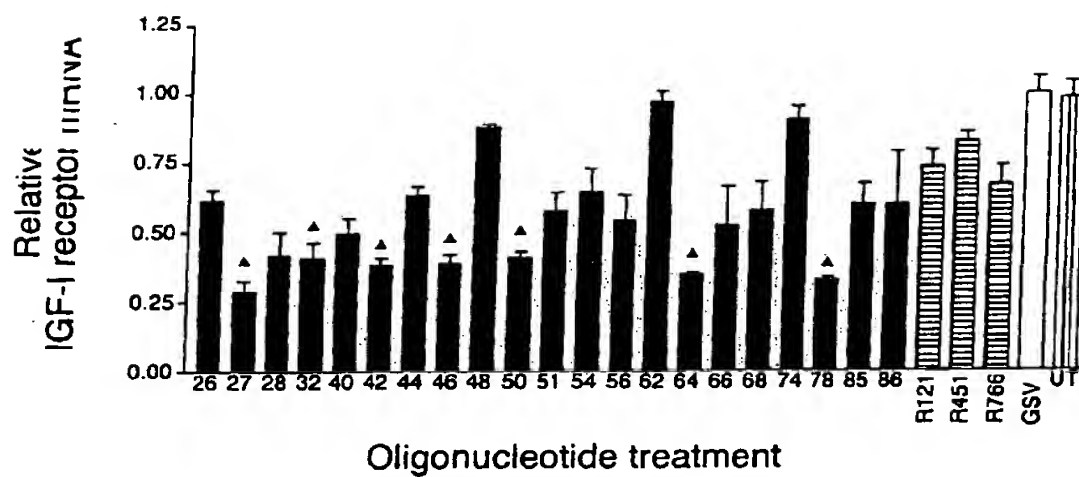
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Figure 27a



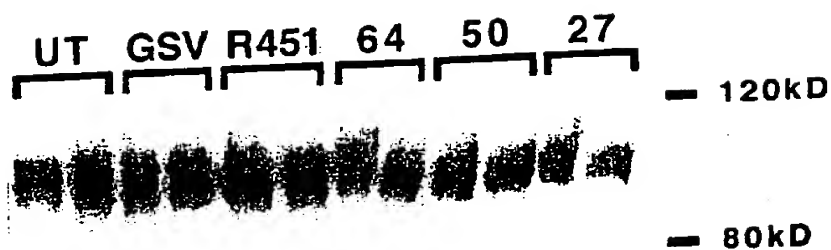
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Figure 27b



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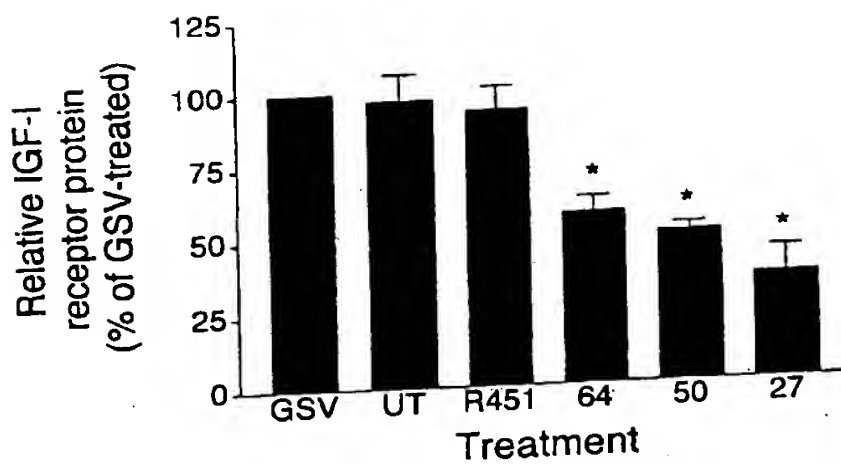
Figure 28a



00598274.062400

55/65

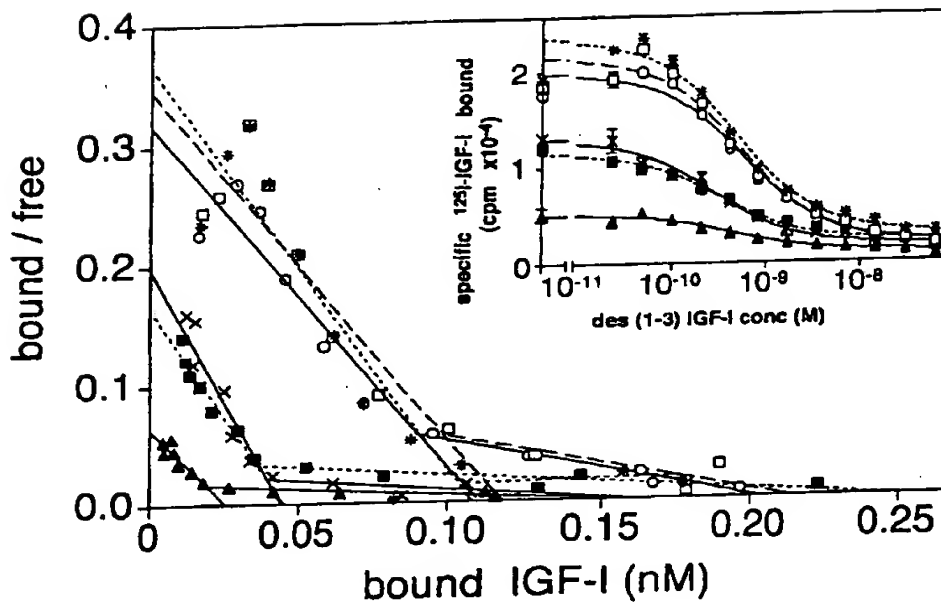
Figure 28b



007368 2262

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Figure 29



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Figure 30

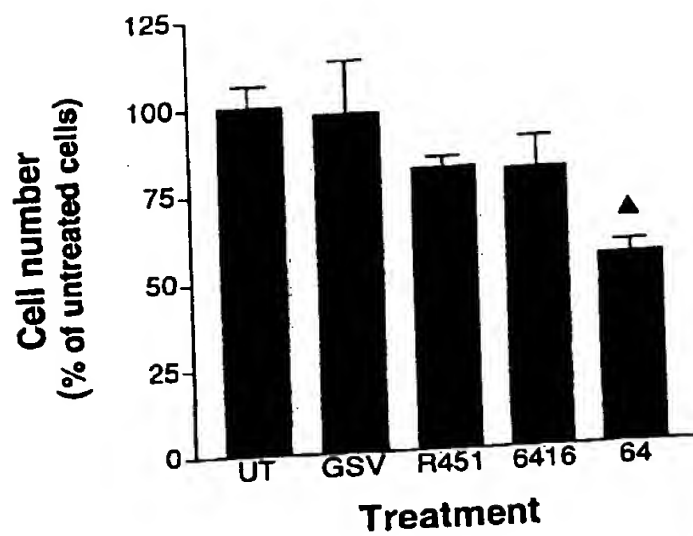


Figure 31a

DONOR B

pregraff

AON #27

R451

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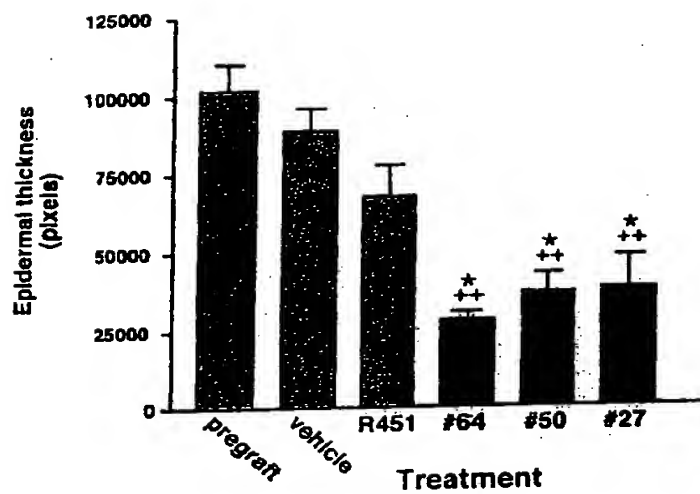


Figure 31b

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pregraft



AON #50



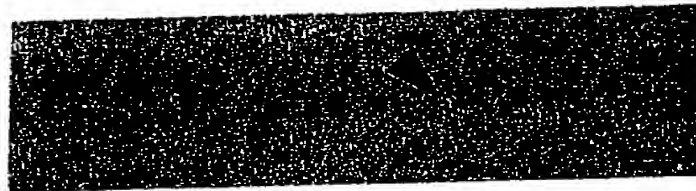
PBS



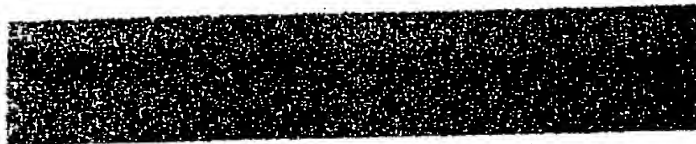
Figure 31c

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pregraft



AON #27



R451

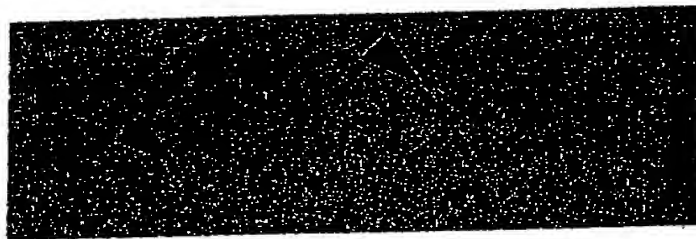


Figure 32a

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pregraft



AON #27



R451



Figure 32b

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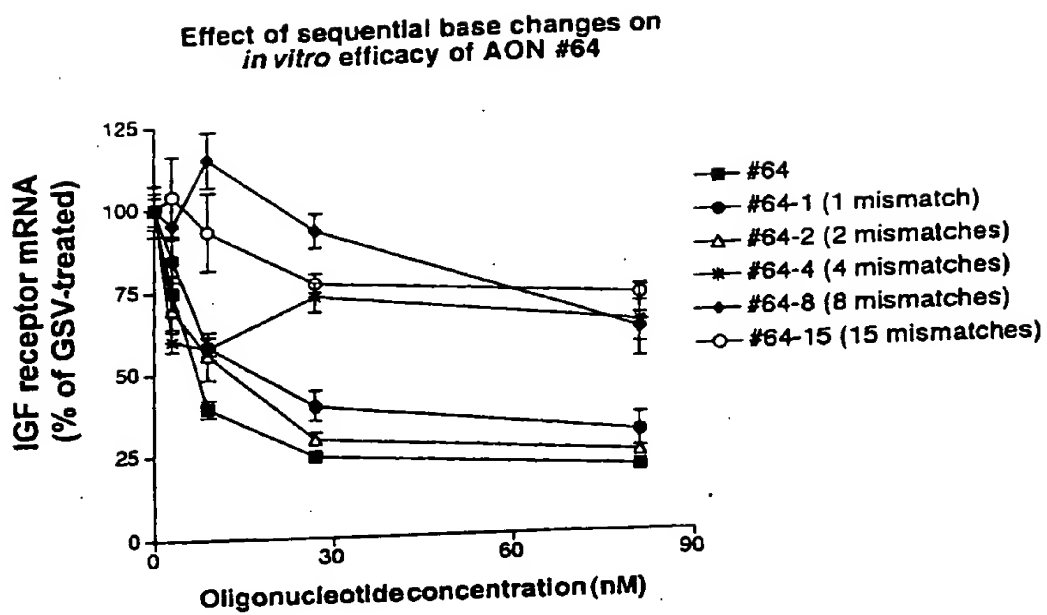
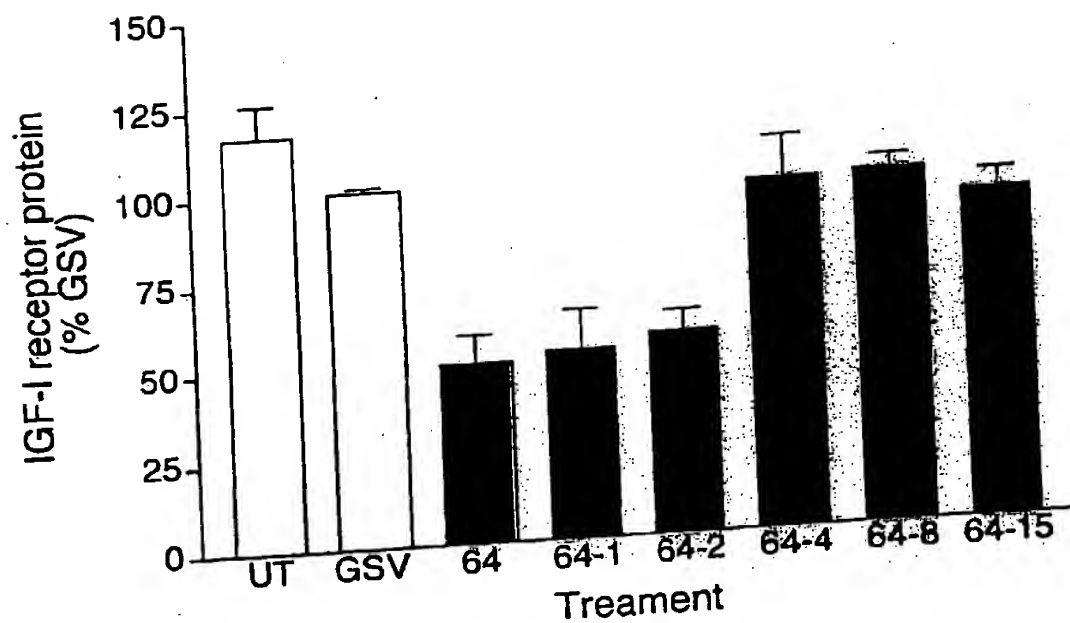


Figure 33

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Figure 34

IGF-I receptor immunoblots
30nM ODN, 4 x 24h treatments
2 expts in duplicate



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Figure 35

Amido black assay - 3 x 24h
treatments (15nM ODN, 2ug/ml
GSV)

